

INTERNATIONAL SEARCH REPORT

International Application No.

.../GB2004/004332

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B43/117

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 960 894 A (LILLY TERRY G ET AL) 5 October 1999 (1999-10-05) column 6, lines 21-34; claims 1-3; figures 1-4	1-8
A	US 6 082 450 A (HANEY JOSEPH P ET AL) 4 July 2000 (2000-07-04) column 4, line 5 - column 5, line 44; figures 1-4	1
A	US 6 520 258 B1 (BEHRMANN LAWRENCE A ET AL) 18 February 2003 (2003-02-18) column 7, lines 35-56; figures 1-11	1
A	WO 01/04452 A (SCHLUMBERGER TECHNOLOGY CORP) 18 January 2001 (2001-01-18) page 17, lines 15-23	1

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

1 December 2004

Date of mailing of the international search report

16/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Manolache, I

INTERNATIONAL SEARCH REPORT

 ational Application No
 /GB2004/004332

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5960894	A	05-10-1999	AU 1540099 A	27-09-1999
			EP 1062404 A1	27-12-2000
			WO 9946476 A1	16-09-1999
US 6082450	A	04-07-2000	US 5775426 A	07-07-1998
			AU 3296599 A	25-10-1999
			CA 2320720 A1	14-10-1999
			EP 1068426 A1	17-01-2001
			NO 20005057 A	06-10-2000
			WO 9951853 A1	14-10-1999
			AU 3804097 A	26-03-1998
			BR 9711603 A	24-08-1999
			CA 2251639 A1	12-03-1998
			CN 1222950 A ,B	14-07-1999
			DE 69726161 D1	18-12-2003
			EA 780 B1	24-04-2000
			EP 0925423 A1	30-06-1999
			NO 985485 A	05-03-1999
			WO 9810167 A1	12-03-1998
			US 6158511 A	12-12-2000
			US 2001001418 A1	24-05-2001
US 6520258	B1	18-02-2003	AU 6233200 A	13-02-2001
			CA 2381772 A1	01-02-2001
			DE 10084830 T0	30-01-2003
			EG 22604 A	30-04-2003
			GB 2368626 A ,B	08-05-2002
			GB 2398092 A ,B	11-08-2004
			GB 2398093 A ,B	11-08-2004
			GB 2398094 A ,B	11-08-2004
			MX PA02000667 A	21-07-2003
			WO 0107860 A2	01-02-2001
			US 2003150646 A1	14-08-2003
			US 6554081 B1	29-04-2003
			US 6386109 B1	14-05-2002
WO 0104452	A	18-01-2001	AU 6206100 A	30-01-2001
			WO 0104452 A1	18-01-2001